

### LISTING OF THE CLAIMS

Claim 1 (Amended) ~~An~~ A grain-oriented electrical steel sheet for a low-noise ~~transformer, characterized by~~ transformer having a viscoelastic layer 30  $\mu\text{m}$  or more to 60 $\mu\text{m}$  or less in thickness for suppressing plane vibration caused by magnetostriction disposed on at least one of the surfaces of the surface of the grain-oriented electrical steel sheet.

Claim 2 (Amended): ~~An~~ A grain-oriented electrical steel sheet for a low-noise transformer, according to claim 1, having an viscoelastic layer whose loss factor has one or more peaks at temperatures within the range from 20 to 200°C.

Claim 3 (Withdrawn): A low-noise transformer formed by using an electrical steel sheet for a low-noise transformer according to claim 1.

Claim 4 (Withdrawn): A low-noise transformer characterized in that the transformer core formed by laminating  $n$  pieces of electrical steel sheets has viscoelastic layers 30  $\mu\text{m}$  or more in thickness placed at  $m$  gaps among the  $n-1$  gaps of laminated layers,  $m$  satisfying the following formula:  $3 \leq (n-1)/m \leq 30$ .

Claim 5 (Withdrawn): A low-noise transformer characterized by inserting viscoelastic layers, at random, in a core formed by using an electrical steel sheet for a low-noise transformer according to claim 1.